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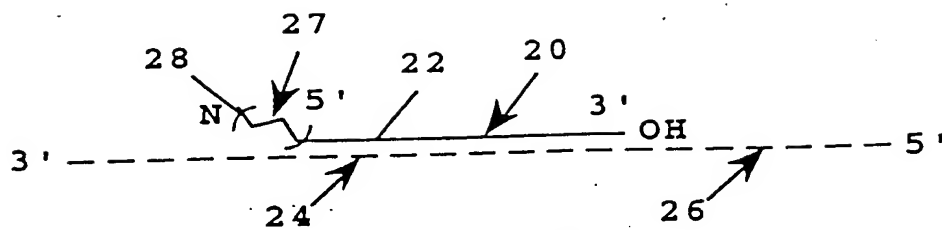


Fig. 1A

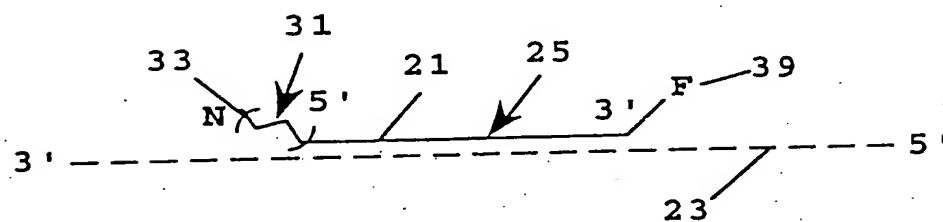


Fig. 1B

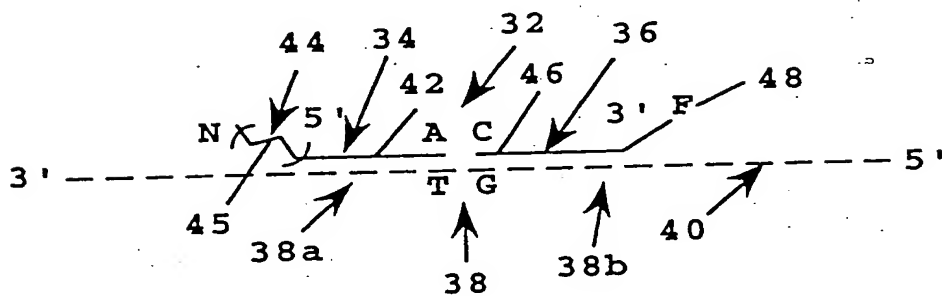


Fig. 1C

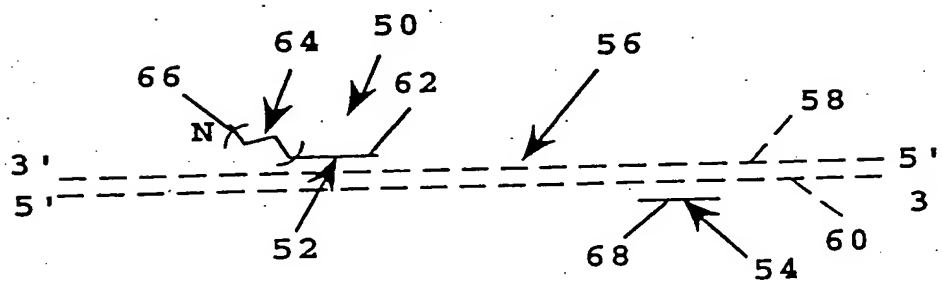
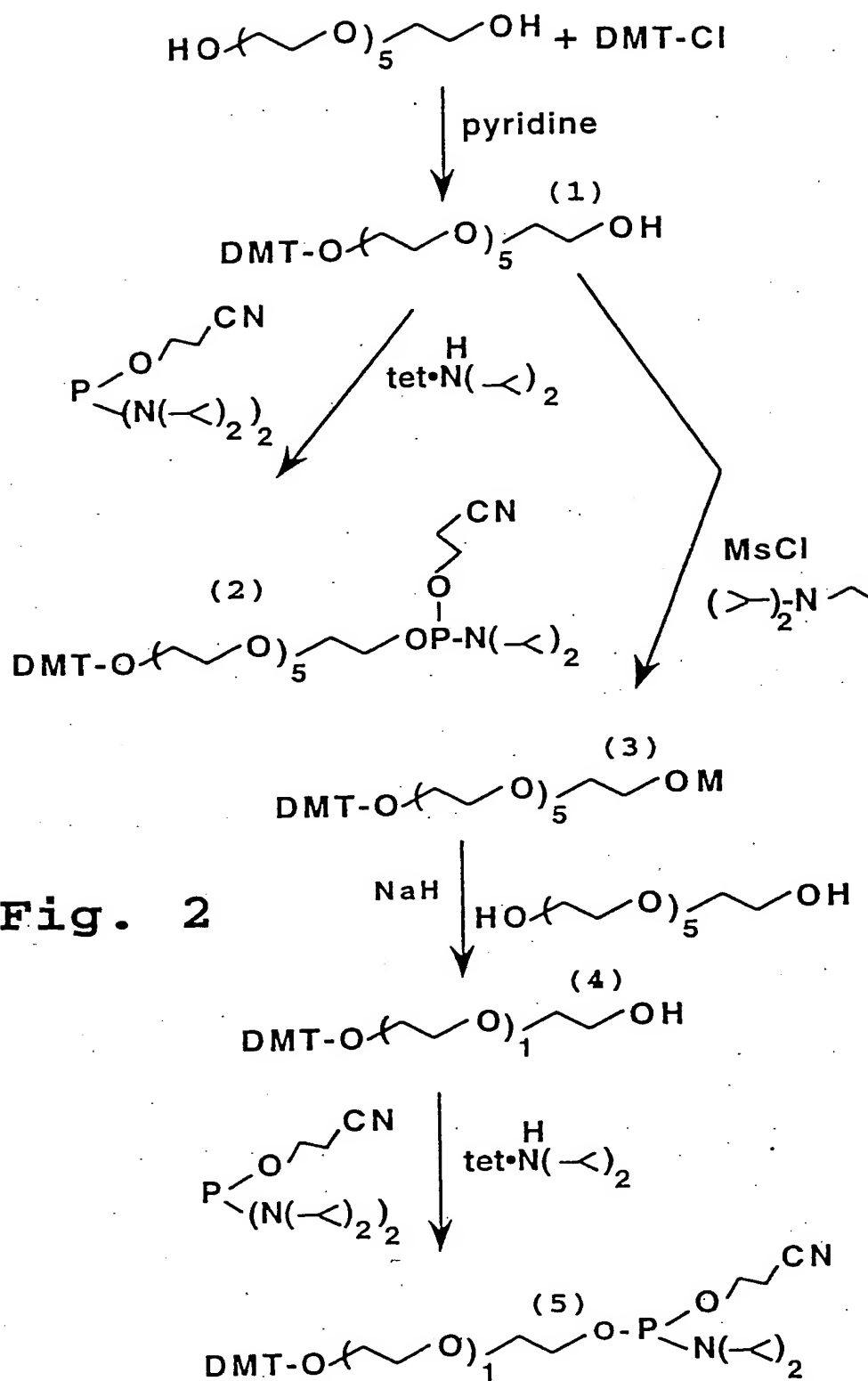


Fig. 1D



**Fig. 2**



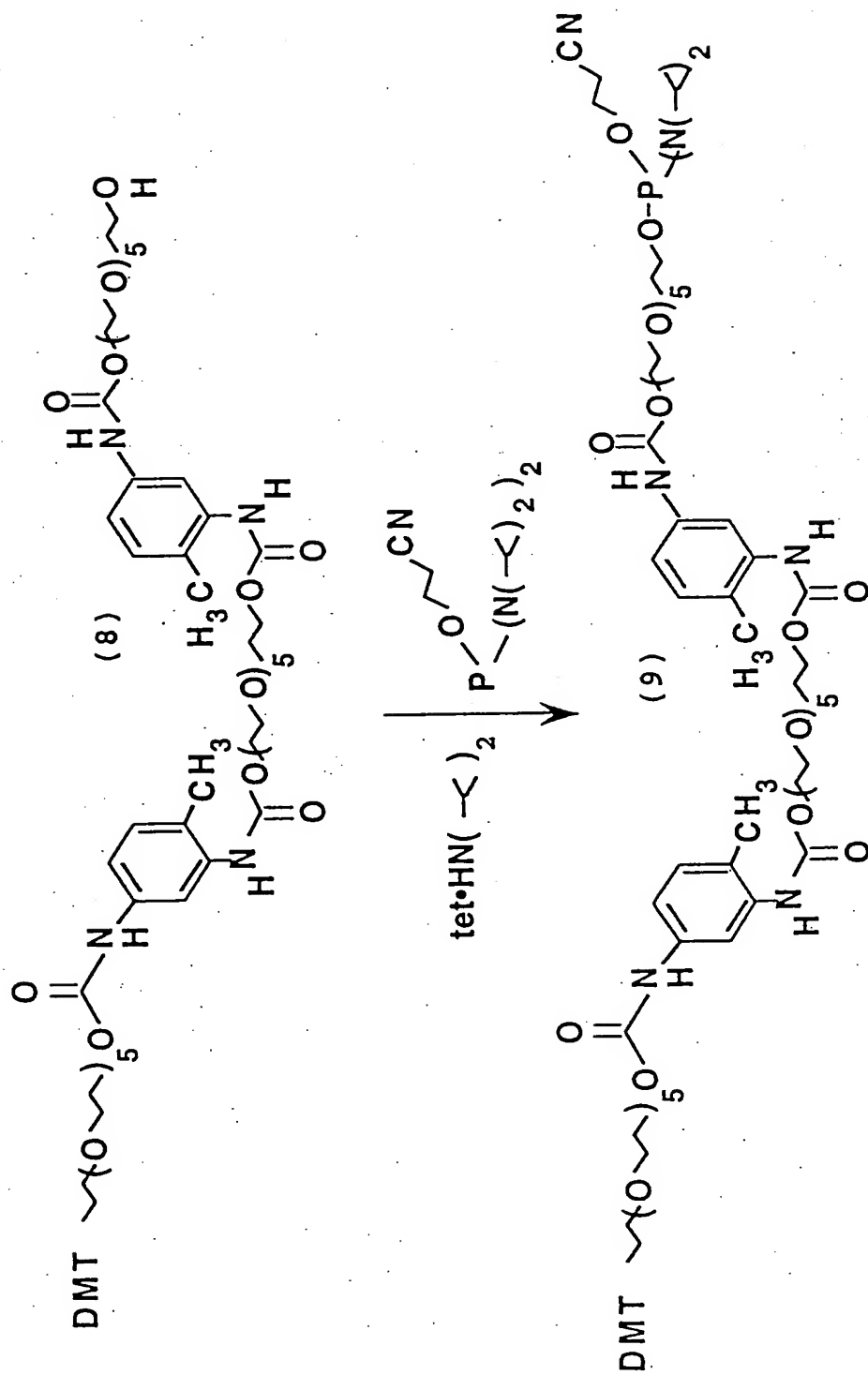


Fig. 3B

(10)

5'  
GCA CCA TTA AAG AAA ATA TCA TCT TTG GTG  
TTT CCT ATG ATG AAT ATA — PS

3' — FAM

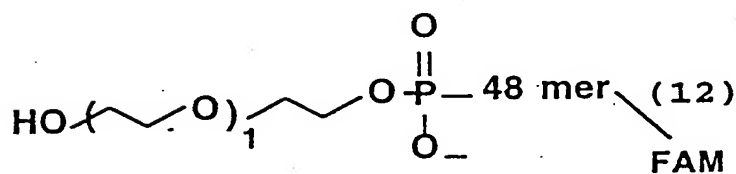
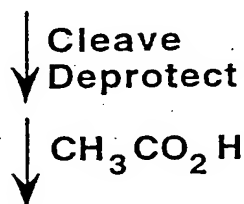
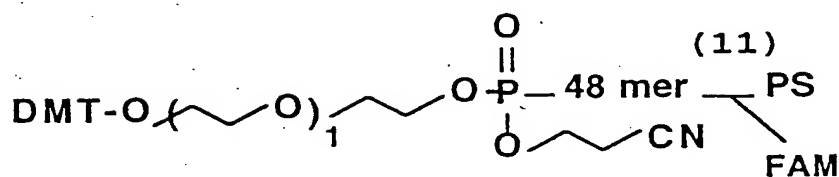
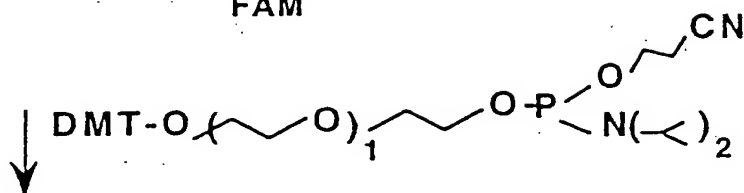
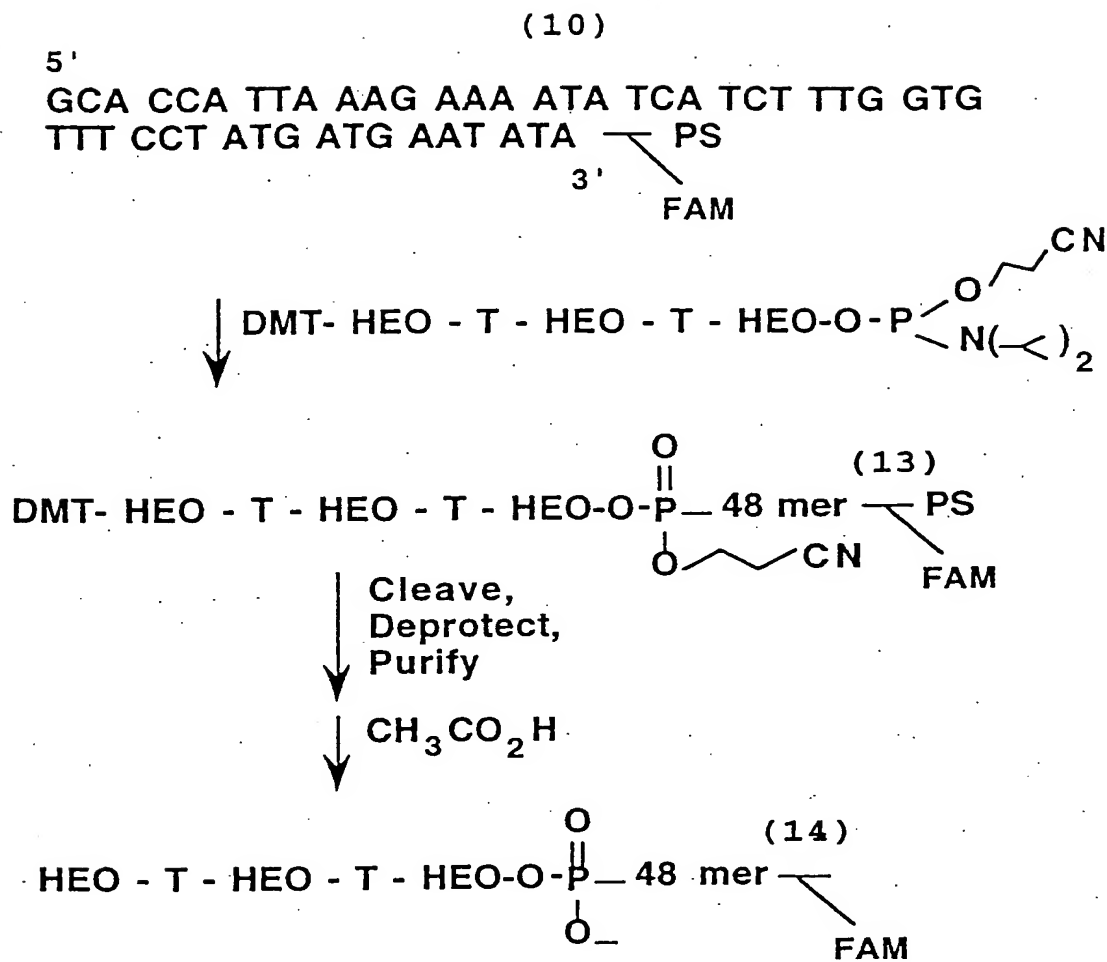


Fig. 4A



**Fig. 4B**

5' (15) 3'  
TTG GTG TTT CCT ATG ATG AAT ATA — LAN-T

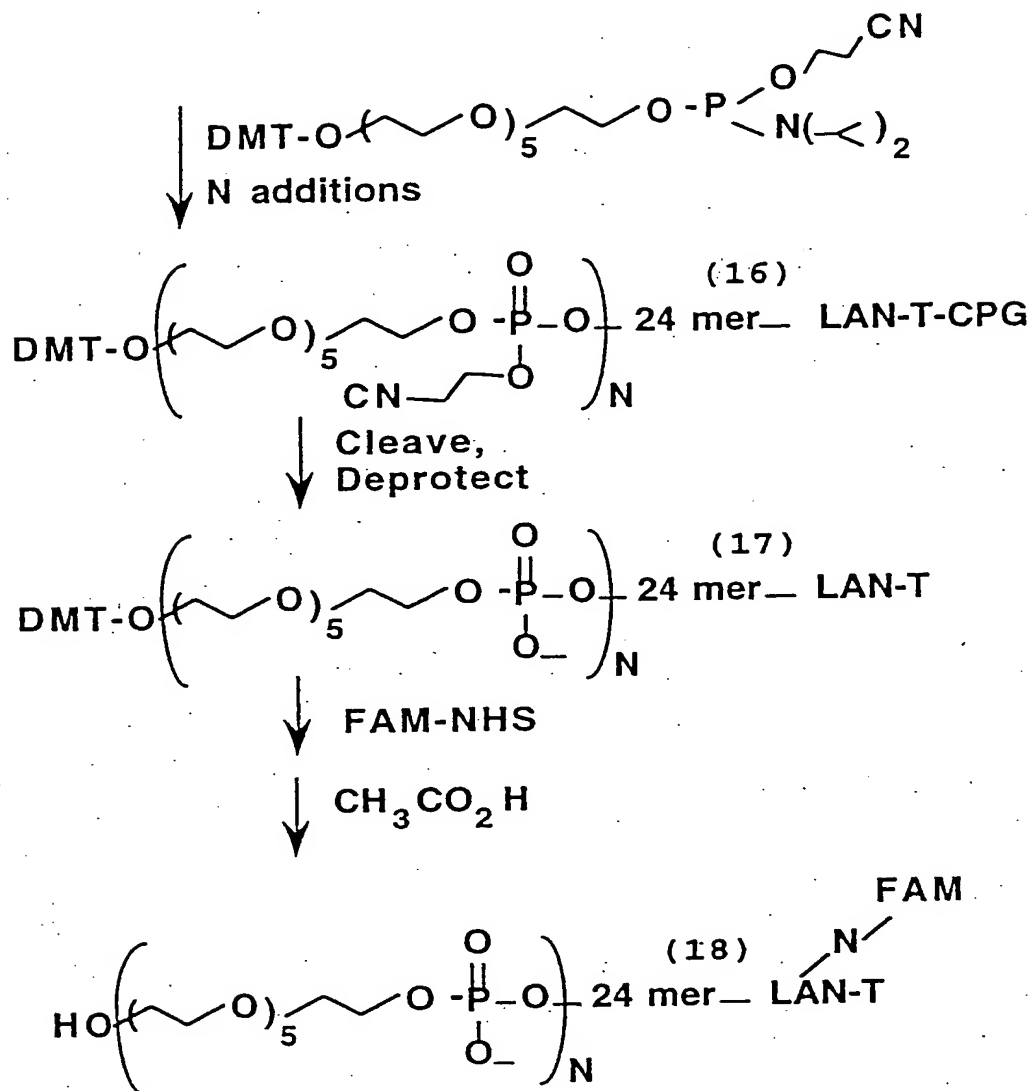


Fig. 5



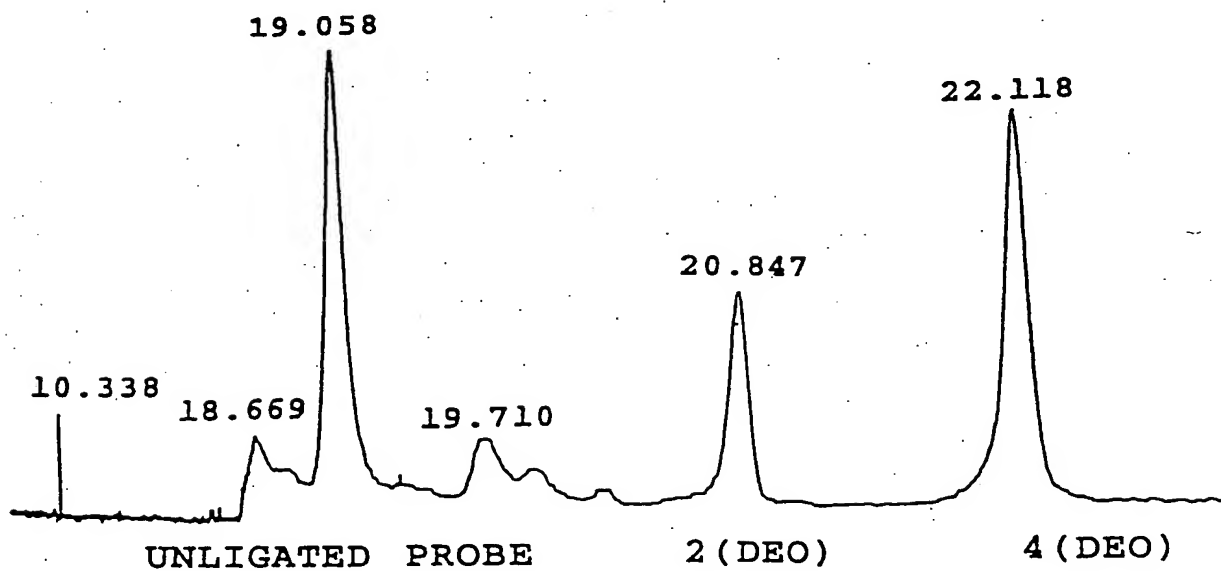
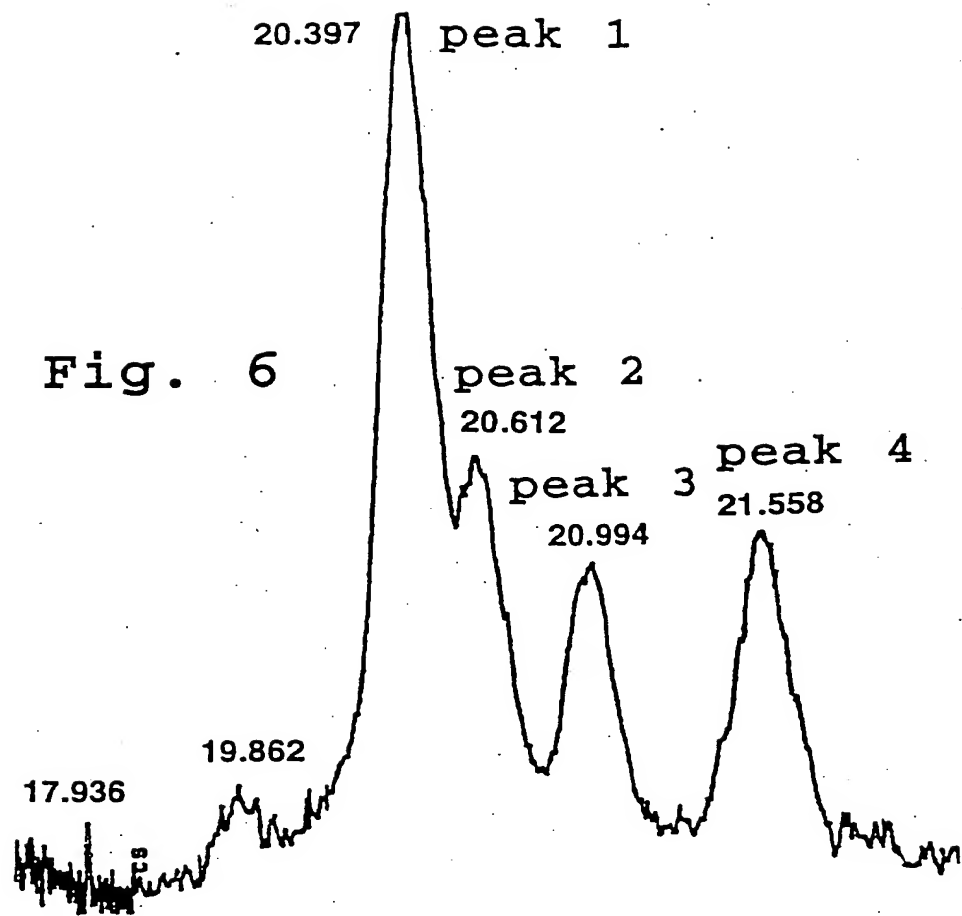
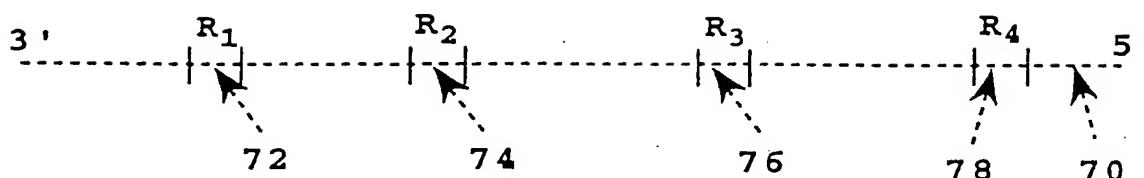
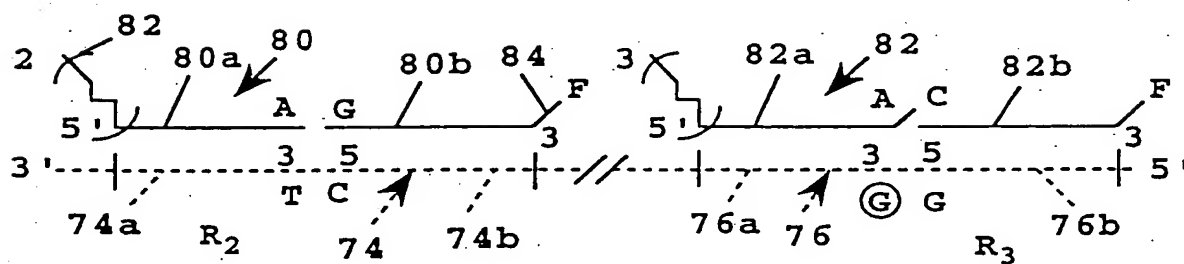


Fig. 11



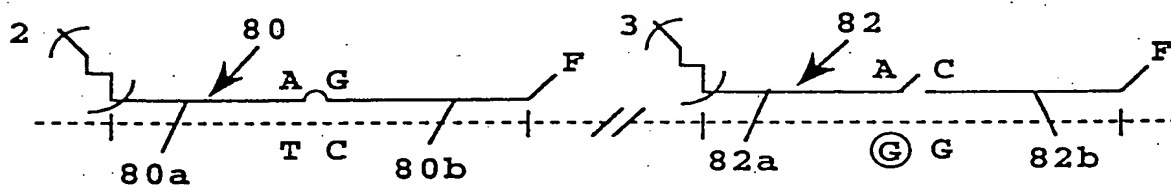
**Fig. 7A**

↓ PROBE COMPOSITION  
↓ ANNEAL



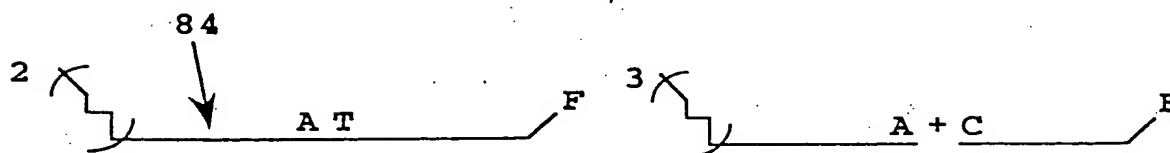
**Fig. 7B**

↓ LIGAS



**Fig. 7C**

↓ DENATURE



**Fig. 7D**

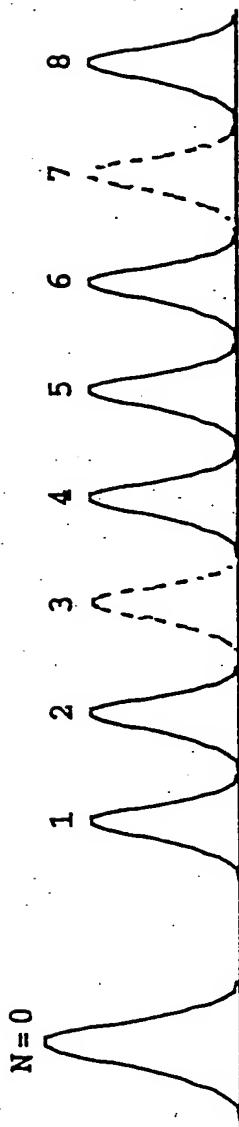


Fig. 8

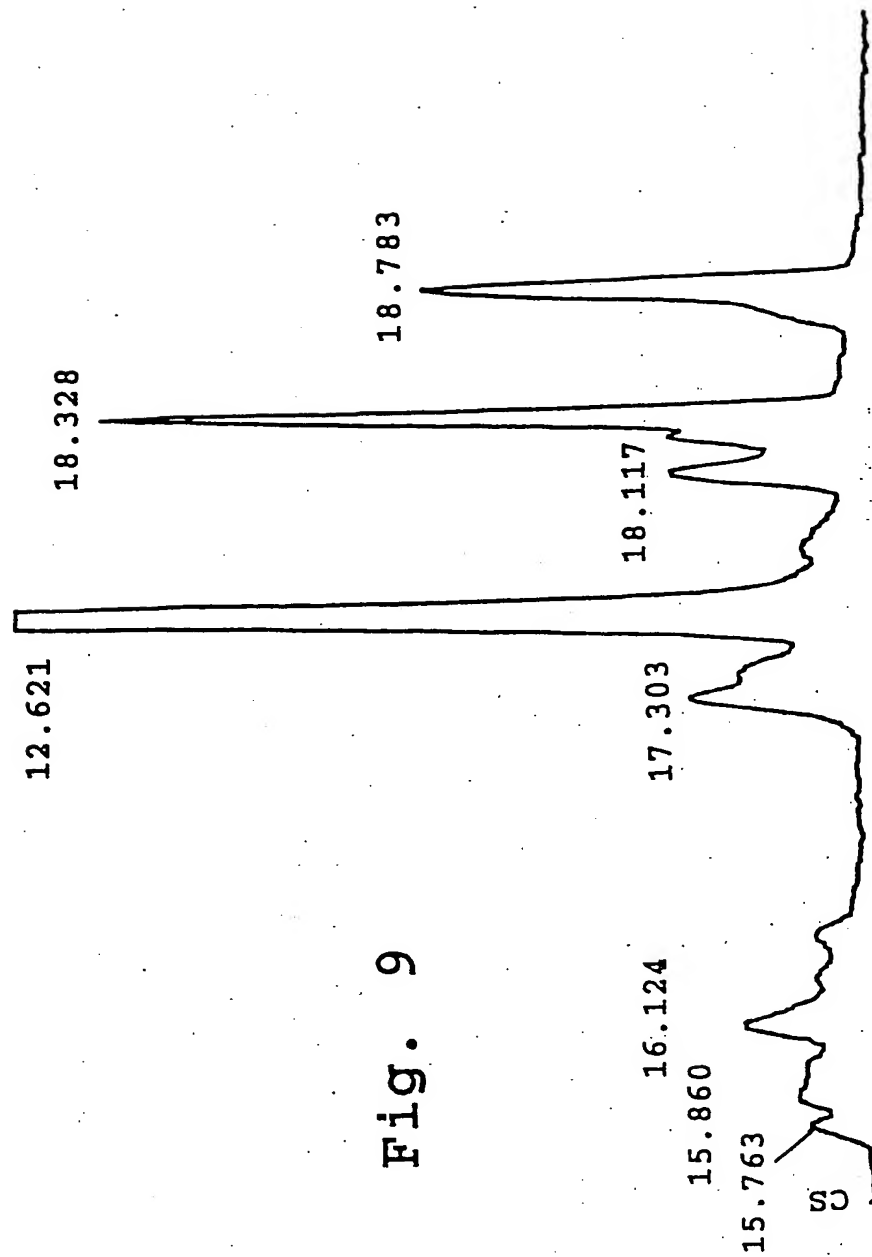
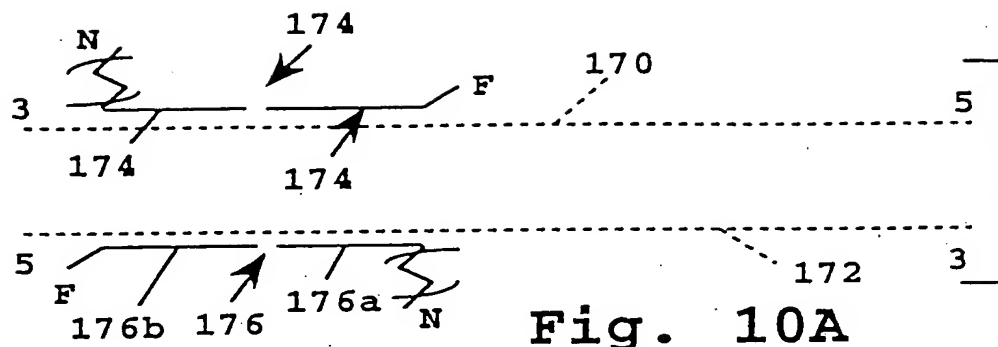
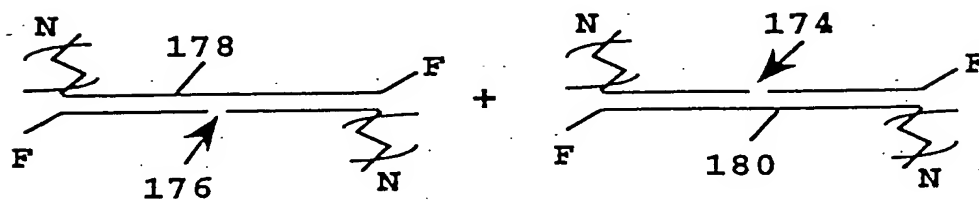


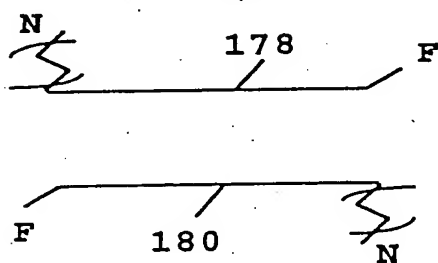
Fig. 9



LIGATE  
 ↓  
 DENATURE, REANNEAL  
 ↓

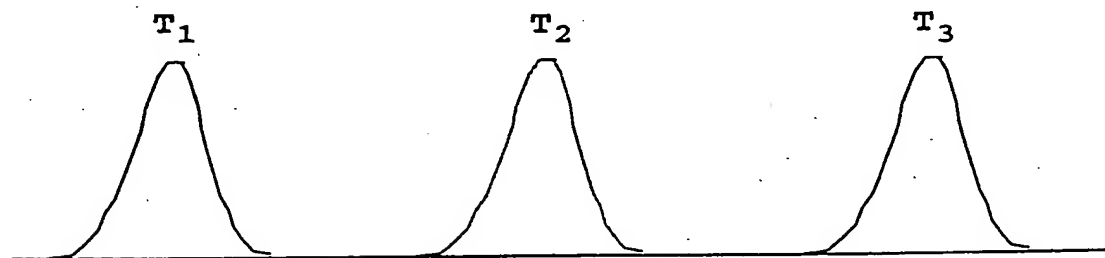
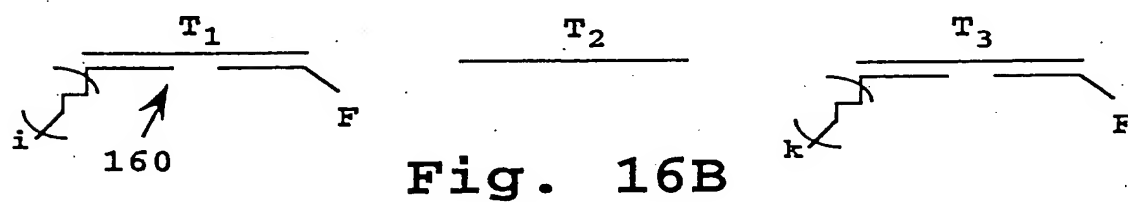
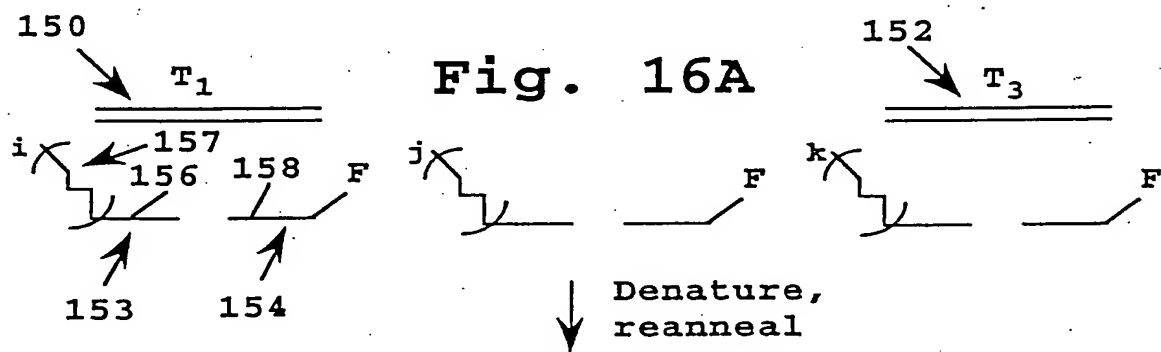
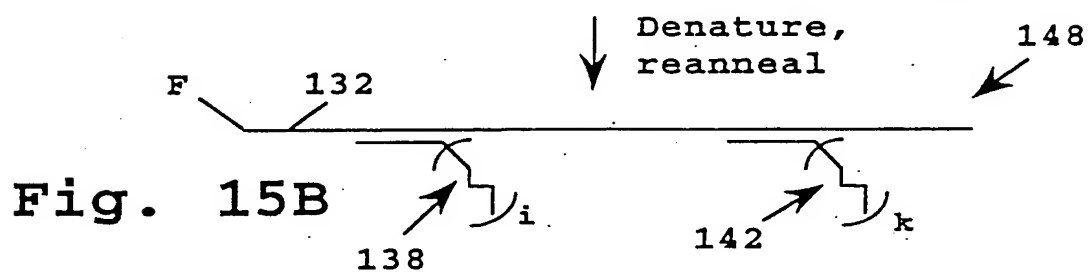
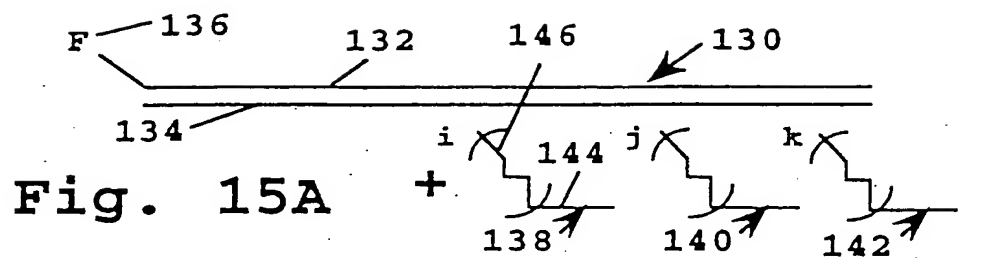


LIGATE  
 ↓  
 DENATURE  
 ↓  
 REPEAT N-2 TIMES  
 ↓

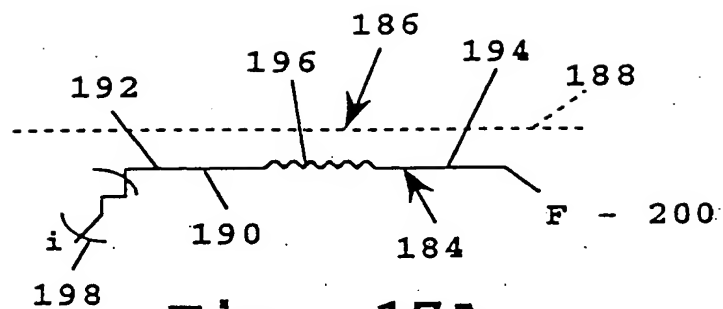


$\times 2^N$



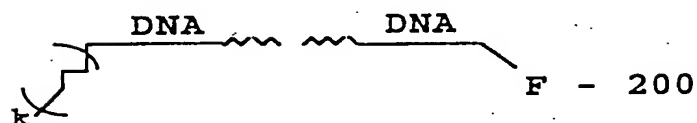


**Fig. 16C**

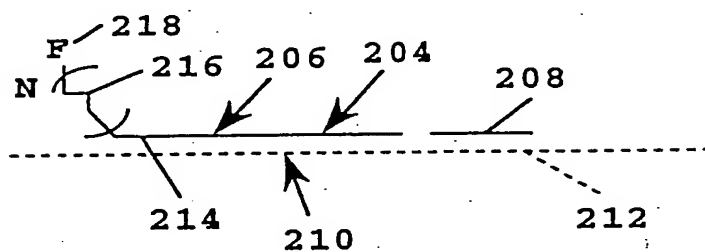


**Fig. 17A**

↓ RNAase H,  
DENATURE

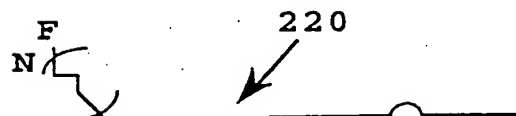


**Fig. 17B**



**Fig. 18A**

↓ LIGATE,  
DENATURE



**Fig. 18B**

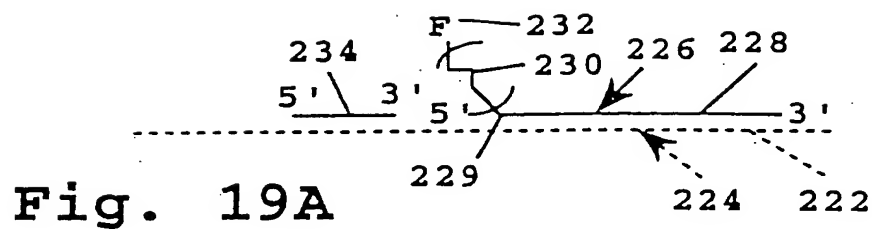


Fig. 19A

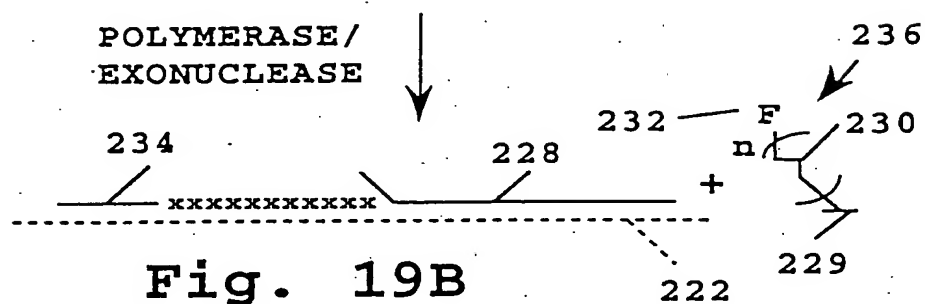


Fig. 19B

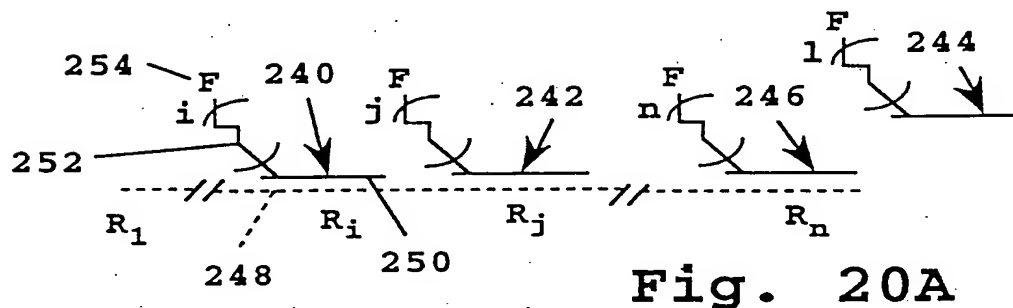


Fig. 20A

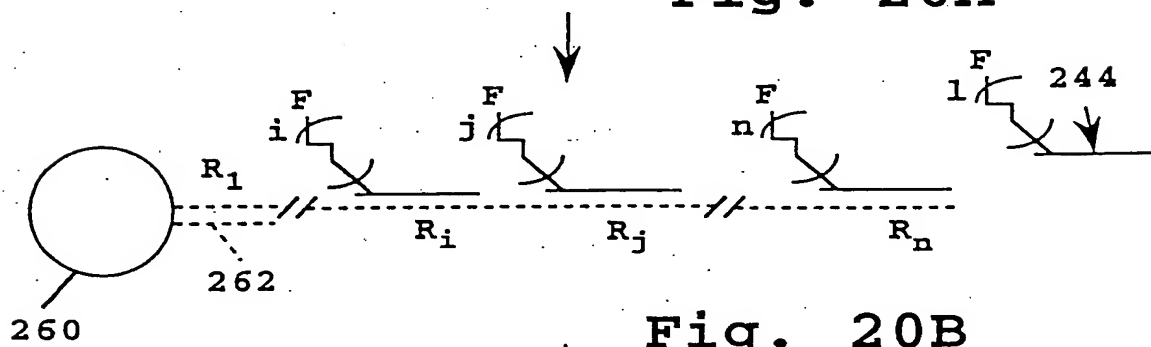


Fig. 20B

WASH, DENATURE

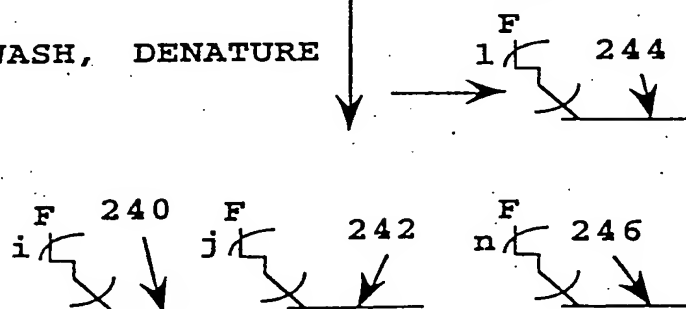


Fig. 20C